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FORM PTO-1390 (REV. 11-94)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)</b>		6750-018	
INTERNATIONAL APPLICATION NO. PCT/US99/26671	INTERNATIONAL FILING DATE November 12, 1999	PRIORITY DATE CLAIMED November 13, 1998	
TITLE OF INVENTION CONTRACEPTIVE ANTIBODY VACCINES			
APPLICANT(S) FOR DO/EO/US Ronald Martin BURCH and David Alex SACKLER			
Applicant herewith submits to the United States Designated/ Elected Office (DO/EO/US) the following items under 35 U.S.C. 371:			
<ol style="list-style-type: none"><li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li><li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li><li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<ol style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the international Bureau).</li><li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li><li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li></ol></li><li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li><li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<ol style="list-style-type: none"><li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <input type="checkbox"/> have been transmitted by the International Bureaus.</li><li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li><li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li></ol></li><li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li><li>9. <input checked="" type="checkbox"/> An unexecuted oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li><li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li></ol>			
<b>Items 11. to 16. below concern document(s) or information included:</b>			
<ol style="list-style-type: none"><li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li><li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li><li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li><li>14. <input type="checkbox"/> A substitute specification.</li><li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li><li>16. <input checked="" type="checkbox"/> Other items or information:<ol style="list-style-type: none"><li>1. Copy of Preliminary Search Report</li><li>2. Copy of WO 00/29443</li></ol></li></ol>			

INTERNATIONAL APPLICATION NO.  
PCT/US99/26671

09/31631

INTERNATIONAL FILING DATE  
November 12, 1999

17.  The U.S. National Fee (35 U.S.C. 371(c)(1)) and other fees as follows:

CLAIMS				
(1)FOR	(2)NUMBER FILED	(3)NUMBER EXTRA	(4)RATE	(5)CALCULATIONS
TOTAL CLAIMS	37 - 20	17	X \$ 18.00	\$ 306.00
INDEPENDENT CLAIMS	3 - 3	0	X \$ 80.00	0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$ 270.00	\$ 270.00
BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)): <b>CHECK ONE BOX ONLY</b>				
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) .....				
..... \$ 690				
<input type="checkbox"/> No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) .....				
..... \$ 710				
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO .....				
\$ 1000				
<input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2) to (4) .....				
\$ 100				
<input type="checkbox"/> Filing with EPO or JPO search report .....				
\$ 860				
Surcharge of \$130.00 for furnishing the National fee or oath or declaration later than 20 <input checked="" type="checkbox"/> 30 mos. from the earliest claimed priority date (37 CFR 1.492(e)).				
\$ 130.00				
TOTAL OF ABOVE CALCULATIONS				
= 806.00				
Reduction by 1/2 for filing by small entity, if applicable. Affidavit must be filed also. (Note 37 CFR 1.9, 1.27, 1.28).				
- \$ 0.00				
SUBTOTAL				
= 806.00				
Processing fee of \$130.00 for furnishing the English Translation later than 30 mos. from the earliest claimed priority date (37 CFR 1.492(f)).				
+				
0 TOTAL FEES ENCLOSED				
\$ 806.00				

- a.  A check in the amount of \$\_\_ to cover the above fees is enclosed.
- b.  Please charge Deposit Account No. 16-1150 in the amount of \$806.00 to cover the above fees. A copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-1150. A copy of this sheet is enclosed.

18.  Other instructions

n/a

19.  All correspondence for this application should be mailed to

PENNIE & EDMONDS LLP  
1155 AVENUE OF THE AMERICAS  
NEW YORK, NEW YORK 10036-2711

20.  All telephone inquiries should be made to (212) 790-2803

Adriane M. Antler  
NAME

*Adriane M. Antler*  
SIGNATURE

32,605  
REGISTRATION NUMBER

May 10, 2001  
DATE

*by Margaret B. Boniwell  
Reg No. 40,922*